



Washington Update

Federal/Utility
Partnership Working
Group

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Providence RI



- EO 13514
 - Strategic Sustainability Plans
 - DOE's approach
- EISA section 432 update
- Outreach Opportunities
 - Federal Energy Management Awards
 - Energy Empowers Campaign
 - GovEnergy



EO13514 Sustainability Plans Update



In addition to GHG goals, the EO requires agencies to meet sustainability targets, including:

- 30% reduction in vehicle fleet petroleum use by 2020;
- 26% reduction in potable, industrial, landscaping, and agricultural water consumption by 2020;
- 50% recycling and waste diversion by 2015;
- 95% of all applicable procurement contracts will meet sustainability requirements;
- 15% of buildings meeting the Guiding Principles for High Performance and Sustainable Buildings by 2015;
- Design all new Federal buildings which begin the planning process by 2020 to achieve zero-net energy by 2030



Requirements / Milestones

1/4/10



- Complete top down GHG inventory (done)
- Submit Scope 1 & 2 target goals for 2020 (done)

4/5/10



- **Submit recommended GHG reporting guidance (done)**
- *Participate in recommendations for addressing vendor and contractor GHG emissions*

6/2/10



- **Submit Strategic Sustainability Performance Plan, in concert with 2012 budget submission**
- Submit Scope 3 target goals for 2020
- Issue guidance on Federal fleet management

10/5/10



- Provide electronic GHG reporting capability
- Submit to CEQ input on agency adaptation actions

1/3/11



- Complete bottom up DOE-wide 2010 GHG inventory





- **Section 1; Agency Policy and Strategy**
 - Details the agency's overall policy and strategy for implementing EO 13514
- **Section 2; Performance Review and Annual Update**
 - Provides information on projects, initiatives, and efforts underway in current FY
 - Description of the planned projects, initiatives, and efforts for FY 2011 through FY 2020
 - will be updated and revised each year
- **Section 3; Agency's Self Evaluation**



Strategic Sustainability Performance Plan

By June 2, 2010, submit the SSP Plan that shall:

- Demonstrate how agency will achieve the goals and targets in Section 2 of the E.O.
- Be integrated into the agency's strategic planning and budget process
- Identify activities, policies, plans and procedures that are relevant to the agency's implementation of the E.O., and develop new ones where necessary
- Identify specific goals, schedules, milestones, and approaches for achieving results; and quantifiable metrics for implementation of the E.O.



The SSP Plan shall (cont.):

- Incorporate actions for achieving progress metrics identified by OMB and CEQ
- Consider environmental, economic and social benefits and costs in evaluating lifecycle return on investment of activities
- Evaluate climate change risks and vulnerabilities to agency's operations and missions
- Outline plans to make information about agency's performance available on a public website
- Identify opportunities for improvement in annual updates.



Senior Sustainability Steering Committee

Chair: **Deputy Secretary**

Members: **Under Secretaries**, CFO, GC, MA, HSS, EERE

Align DOE business practices—budget, acquisition, metrics and reporting—with EO goals

Power
Marketing
Administration

Sustainability Integration Team

Co- Chairs: MA-1 &
Field Rep

Members: Reps from S-2, S-3, CFO, GC, NA, SC, EM, FE, NLDC,
EFCOG, OPAM, CIO, FEMP, OECM, & HSS

strategic ↑
tactical ↓

Manage preparation of Strategic Sustainability Performance Plan

**Procurement &
Acquisition**

**Electronics &
Data Centers**

**Fossil Fuel,
Energy, &
Renewables**

**High
Performance
Buildings**

Cap & Trade

**Environmental
Stewardship**

**Behavior
Change**

**Business
Planning**

**High Energy
Mission
Specific Facility**

Procurement & Acquisition

- 95% Sustainable Acquisition Goal
- Modify contracts to accommodate the goals set forth

Electronics & Data Centers

- Green Electronics Purchases
- Energy-Efficient Operations
- Sustainable Disposition
- Optimize Data Center Operations & Management

Fossil Fuel, Energy & Renewables

- Vehicles and Fleet Management
- Fossil Fuel Reduction
- Site Energy Goals
- Green Energy
- Renewables and On-site Generation
- Process Energy Management

High Performance Buildings

- Net-Zero Buildings
- Potable Water Mgmt
- Achieve 15% Sustain. Goal
- Roof Program
- Disposition and Space
- Construction Waste
- Stormwater Management

Environmental Stewardship

- Formal EMS
- Toxic Chemical Reduction
- Pollution Prevention
- Pest Management
- Composting
- Recycling
- Waste Management

Cap & Trade

- Examine the feasibility of sharing the benefits of on-site renewable generation

Behavior Change

- Review existing behavior change procedures and implementation
- Establish tasks for the next two years in the SSPP to ensure long-term budget for compliance.

Business Planning

- Use analysis methods and tools to simplify and standardize projects and other energy and GHG initiatives

High Energy Mission Specific Facility

- Achieve compliance with EO and SSPP for issues relating to buildings and infrastructure currently identified as "exempt" under the EPACT



EISA section 432



EISA 432 Statute:

(2) FACILITY ENERGY MANAGERS-

(A) IN GENERAL- Each Federal agency shall designate an energy manager responsible for implementing this subsection and reducing energy use at each facility that meets criteria under subparagraph (B).

(B) COVERED FACILITIES- The Secretary shall develop criteria, after consultation with affected agencies, energy efficiency advocates, and energy and utility service providers, that cover, at a minimum, Federal facilities, including central utility plants and distribution systems and other energy intensive operations, that constitute at least **75 percent** of facility energy use at each agency.

(3) ENERGY AND WATER EVALUATIONS-

(A) EVALUATIONS- Effective beginning on the date that is 180 days after the date of enactment of this subsection and annually thereafter, energy managers shall complete, for each calendar year, a comprehensive energy and water evaluation for *approximately 25 percent of the facilities of each agency* that meet the criteria under paragraph (2)(B) in a manner that **ensures that an evaluation of each such facility is completed at least once every 4 years.**



- Web-based tracking system under development
 - Pre-populated with data from Jan & Jun 2009 reporting
 - Deployment for agency use: July 2010
- Guidance development and system enhancements will continue through summer, key issues:
 - Compliance Metrics vs. Progress Metrics
 - *Implemented* project tracking at covered facilities
 - Project follow-up, M&V for persistence of savings
 - Link to benchmarking systems/rating for appropriate buildings



Data Verification and Submission Process

Activity	Date
<i>Resolve 2009 Data Anomalies</i> <ul style="list-style-type: none">- <i>Identify anomalies, validate data</i>- <i>Communicate with agencies and resolve</i>- <i>Updates/Corrections to 2009 data</i>	Feb 19 – Apr 15, 2010
<i>Provide 2010 Submission Spreadsheets for Agency Facility Evaluation Findings</i> <ul style="list-style-type: none">- <i>Send final template to all agencies (pre-populated with Covered Facility data)</i>- <i>Agencies report 2010 evaluation findings data; update facility characteristics (energy use, sq ft, inventory lists)</i>	Apr 16 – June 16, 2010
<i>FEMP 2010 data validation & upload into CTS</i> <ul style="list-style-type: none">- <i>Verification of corrections & additions</i>	Jun 16 – Jun 30, 2010
<i>Performance Summary Reports Creation</i> <ul style="list-style-type: none">- <i>OMB Energy Scorecard progress action item for agencies</i>	Jun 17 – 30, 2010



- **Evaluation of 100% of all Covered Facilities each 4 years**
- **Covered Facility Threshold**
 - Agency's covered facilities comprise at least 75 percent of the agency's total facility energy use
- **Facility Energy Manager**
 - Each covered facility has an assigned facility energy manager
- **Initial Evaluation Period**
 - Each covered facility will have completed a comprehensive evaluation by June 15, 2012
- **Subsequent Facility Evaluations**
 - Each covered facility will have completed a follow-up comprehensive evaluation within 4 years of the initial valuation



- **Percentage of total facility energy use consumed by covered facilities**
- **Percentage of covered facilities with assigned energy managers**
- **Cumulative percentage of facilities that have completed at least one evaluation**
- **Btu/square foot of covered facility inventory**
- **Potential project investment identified in evaluations of covered facilities**
- **Project investment awarded**
- **Documented annual energy savings (Btu) from implemented projects in covered facilities**
- **Number of covered facilities that have been benchmarked**



Outreach Opportunities



Energy Empowers



Mission:

Tell the stories of America's clean energy economy, putting names and faces to the people who work on energy efficiency and renewable energy projects in the residential, commercial, industrial, and Federal sectors supported by the DOE and beyond.

DOE recognizes successes within the clean energy sector, such as:

- Improving efficiency,
- Building sustainable businesses
- Creating new jobs,
- Generating clean energy

<http://www.eereblogs.energy.gov/energyempowers>





- The Team
 - Article ideas and information are submitted from a variety of sources
 - Writers are from various DOE programs
- The Readers
 - General public
 - Business, civic, and non-governmental leaders interested in EERE
- *Energy Empowers* news service provide updates on
 - Projects
 - Technologies
 - Business Opportunities
- How to submit a story
 - Federal projects can be submitted through FEMP
 - Email to katherine.chirstiansen@ee.doe.gov 202-586-5772
 - Otherwise submit to Energy Empower Website
<https://www1.eere.energy.gov/pnp/stories/stories.aspx>



- FEMP will present the 2010 Federal Energy and Water Management Awards to recognize outstanding achievements in:
 - Energy efficiency
 - Water efficiency
 - Renewable energy, and
 - Vehicle fleet management



Schedule

- March: Criteria and Guidelines were distributed
- ***Nominations due to FEMP on June 4, 2010***
(deadline was extended from May 31)
- June: Evaluation team recommends winners
- July: Award winners announced
- October: Federal Awards ceremony



Changes Criteria & Guidelines

- Option to include multiple types of energy management in one project nomination for a multi-faceted approach
- New category for programs that implement effective energy, water, and/or fleet management (highlight cross-cutting management approaches)
- New category for contracting officers using innovative financing methods
- Criteria and guidelines for Presidential awards no longer included.
 - Information to follow from CEQ.



Nomination Tips

- Select the category best-suited to your nomination
- Respond to all relevant criteria
- Make sure the project is eligible (was completed or realized first savings in FY 2009)
- Emphasize quantifiable results and provide supporting data
- Organize write-up based on criteria for your category; make it easy for evaluators to score



Nomination Tips (continued)

- Highlight unique aspects (financing, innovative solutions, new technology)
- Include photos or graphics to help evaluators visualize the project and its impact
- Make sure the nomination is well-written and grammatically correct



- Download 2010 Criteria & Guidelines
<http://www.femp.energy.gov/services/awards.html>
- Contact your agency's awards coordinator
http://www.femp.energy.gov/services/awards_contacts.html
- Submit Nominations
<http://www.fempcentral.com/awards>
- For more information
Amanda Sahl, amanda.sahl@ee.doe.gov, 202-586-1662



Bigger and better every year!

- GovEnergy 2009
 - Over 3,000 attendees
 - Over 35 Pre and Post workshops and Meetings
 - Over 180 Exhibitors
- GovEnergy 2010
 - 15 Tracks
 - 128 individual training sessions
 - New Tracks:
 - Greenhouse Gases
 - Human Behavior





Register Now!

- **Early Bird Rate deadline is June 11, 2010 (for Non Feds)**
- **Federal Rate deadline July 23**
- **Hotels are filling up quickly...**
- **Exhibit Hall is 90% Sold Out!**
 - **There are booths left**
 - **Get 3 Registrations with booth rental**

Visit GovEnergy.gov

- **Fact Sheets available at the Registration Desk**



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